

PEVZNER, S.; AKHMETOV, A.

Training specialists. Avt.transp. 42 no.1:46-47 Ja '64.

(MIRA 17:2)

1. Direktor Alma-Atinskogo uchebnogo kombinata (for Akhmetov).

BEYLIN, L.,; VORONKOV, Yu., shofer, byvshiy kursant; GOREV, G., sotrudnik;
PEVZNER, S., sotrudnik; GARTENBERG, B.

Reorganizing the training of drivers. Za bezop.dvizh. no.2:8-9
F '60. (MIRA 13:5)

1. Zamestitel' direktora Uchebnogo kombinata Glavmosavtotransa
(for Beylin). 2. Metodicheskiy kabinet Ministerstva avtomobil'nogo
transporta i shosseynykh dorog RSFSR (for Gorev and Pevzner).
(Automobile drivers)

KORCHEMKIN, A.; PEVZNER, S.

Training young drivers in transportation work. Avt.transp. 39
no.1:52 Ja '61. (MIRA 14:3)
(Automobile drivers)

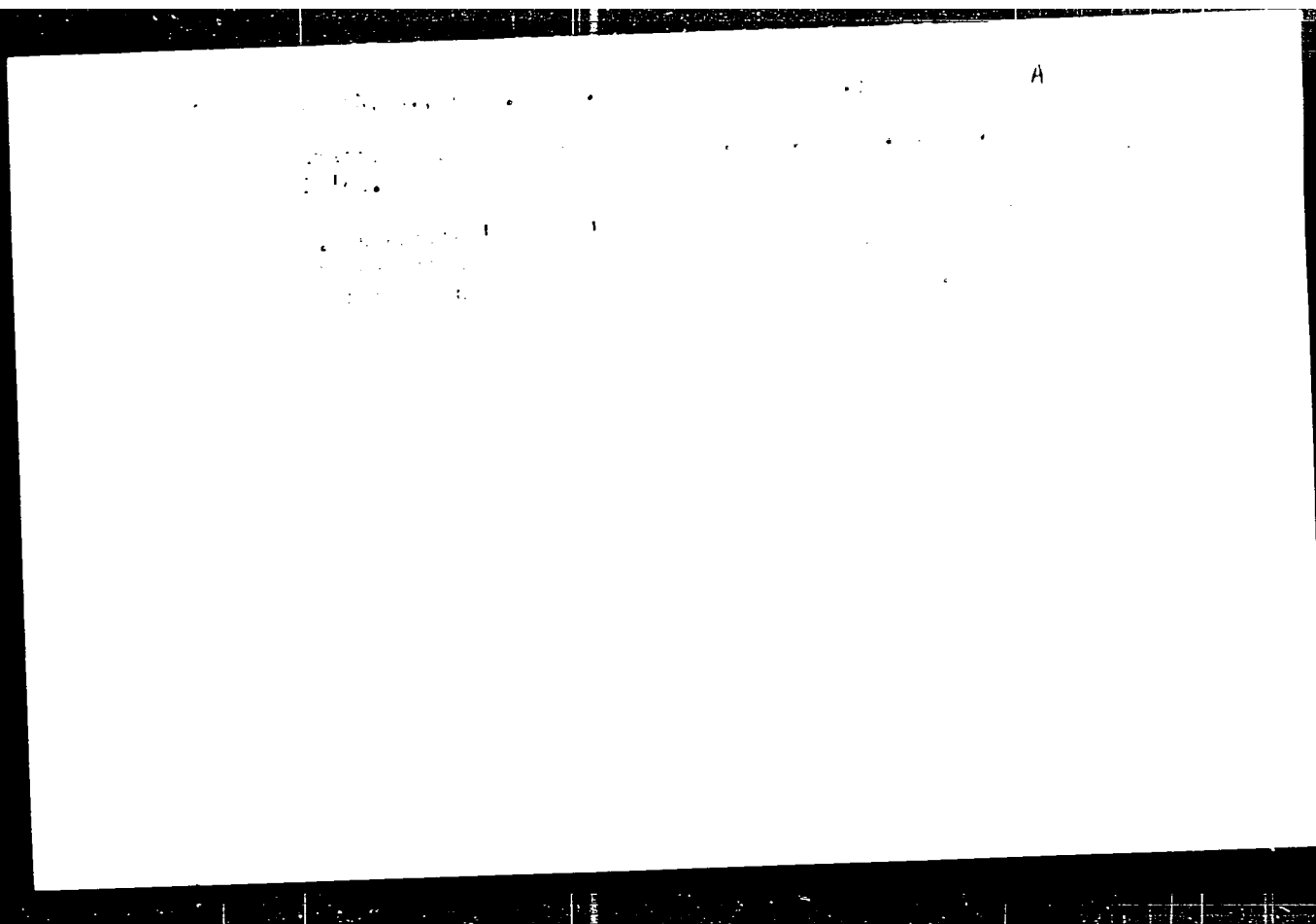
PEVZNER, S.

With the temporary commission of former State Committee on
Science and Technology of the Council of Ministers of the U.S.S.R. on
the elaboration of new methods for preparing coal for coking.
Koks i khim. no. 7:56-57 J1 '61. (MIRA 14:9)
(Coke industry)

AKHMETOV, A.; PEVZNER, S.

Constructors of a high-mountain road. Avt. dor. 28
no.11:6-7 N '65.

(MCRA 12:11)



L 55542-65

ACCESSION NR: AF5016783

UR/0286/65/000/010/0117/0117
629.135/138

AUTHOR: Pevzner, S. A.; Sidorov, V. F.

TITLE: An aircraft passenger seat. Class 62, No. 171272

SOURCE: 'Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 117

TOPIC TAGS: aircraft seat, passenger aircraft

ABSTRACT: This Author's Certificate introduces: 1. An aircraft passenger seat which is made up of a frame, a support, a chair with reclining back, headrest and armrest, a lock for fastening the support to guide rails, and a stop for locking the back. The seat is designed for use in airplanes with various bases for rail mountings and for improved reliability in the fastening between support and rail. The supports have guides with index pins for moving them along a girder on the frame. The shaft of the lock which fastens the support to the guide rail has a flattened head on the lower end, and is equipped with a U-shaped clamp which goes over the top of the rail. 2. A modification of this design with provision for changing the position of the reclining back without pressing a control lever. The position lock

Card, 1/3

L 56542-65

ACCESSION NR: AP5016783

for the reclining back has a fork lever mounted on the pivot. This lever is stopped by a traction nut.

ASSOCIATION: none

SUBMITTED: 08Apr64

ENCL: 01

SUB CODE: AC

NO REF SOV: 000

OTHER: 000

Card 2/3

L 56542-65

ACCESSION NR: AP5016783

ENCLOSURE: 01

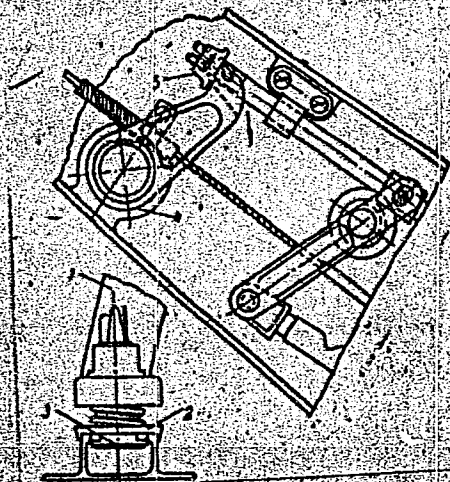
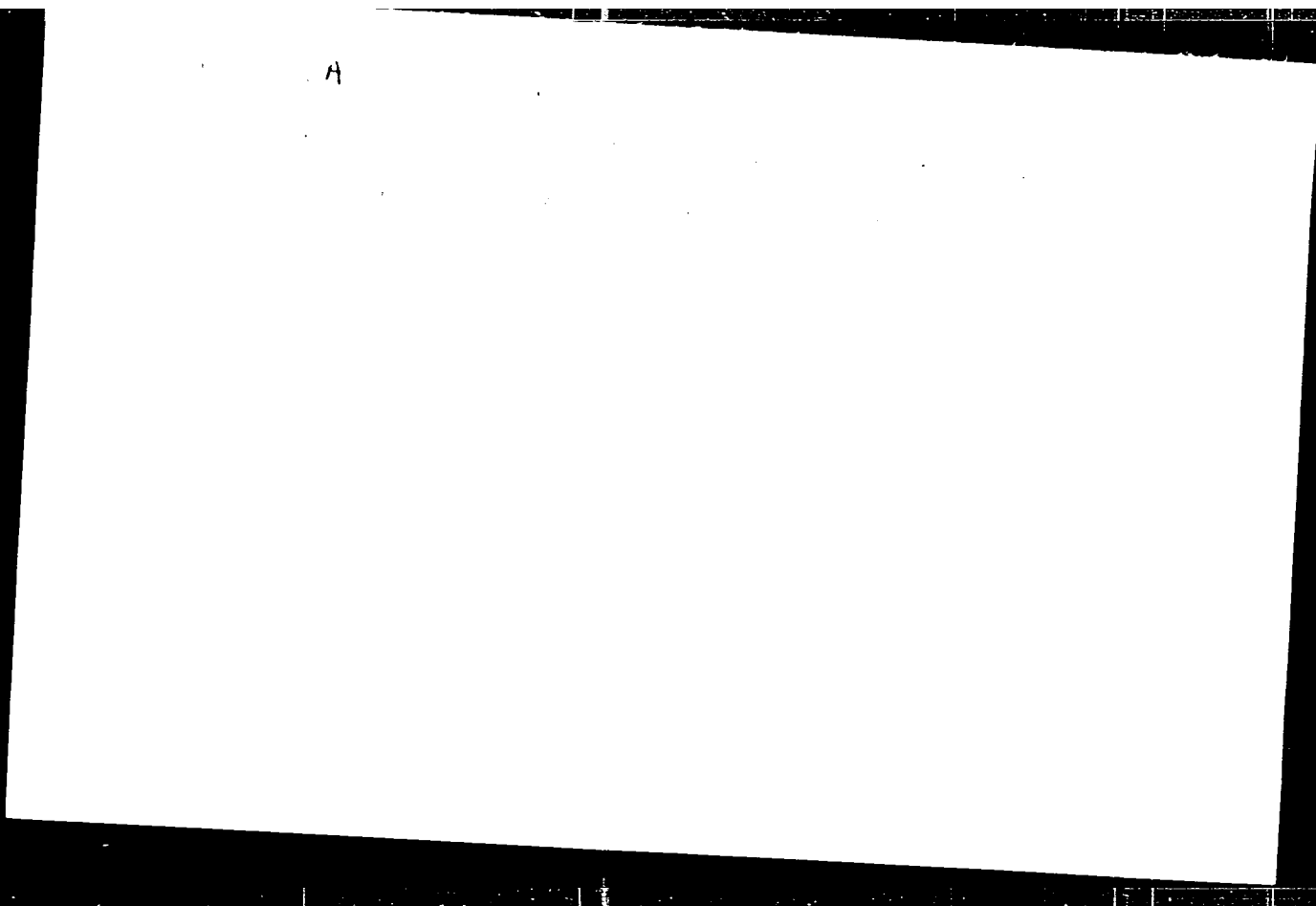


Fig. 1. 1--movable support for the seat with guides and index pin; 2--U-shaped clamp which goes over the top of the rail; 3--flattened head on the lock shaft; 4--back pivot fork lever; 5--traction nut

Card 3/3

"APPROVED FOR RELEASE: 06/15/2000

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PEVZNER, S. B.

Korotkiy, N. I.; I. N. Gerasimov; and S. B. Pevzner. Methods of
Extruding and Forging Molybdenum and Molybdenum-base Alloys. 1958.

Pressure Treatment of Alloys; Collection of Articles, Moscow, Oborongiz, 1958, 141pp.

MATVEYEV, Boris Ivanovich, kand.tekhn.nauk; ZHURAVLEV, Fedor Vasil'yevich.
Prinimali uchastiye: PEVZNER, S.B., inzh.; OGURCHIKOV, L.O.;
ZHURAVSKIY, Ye.B., ZHOLOBOV, V.V., kand.tekhn.nauk, red.; KUNYAV-
SKAYA, T.M., red.; ORESHKINA, V.I., tekhn.red.

[Technology of forging light alloy shapes with variable and periodic
cross sections] Tekhnologiya pressovaniya profilei peremennogo i
periodicheskogo sechenii iz legkikh splavov. Moskva, Gos.izd-vo
obor.promyshl., 1959. 126 p. (MIRA 13:3)
(Forging) (Light metals)

PEVZNER, S.B.

PHASE I BOOK EXPLOITATION 527/3559

akademiya nauk SSSR. Institut metallurgii. Nauchnyy sovet po probleme zharnoprochnykh splavov.

Issledovaniya po zharnoprochnym splavam, t. 5 (Investigations of Heat-Resistant Alloys, Vol 5). Moscow, Izd-vo AN SSSR, 1979. 223 p. Kratka slup literat. 2,000 copies printed.

Ed. of Publishing House: V.A. Kiselev; Tech. Ed.: I.P. Kiselev; Editorial Board: I.P. Bardin, Akademichesk. G.V. Kurdyumov, Akademichesk. S.V. Agayev, Corresponding Member, USSR Academy of Sciences (Resp. Ed.), I.A. Odling, I.M. Pavlov, and I.P. Zolotarev, Candidate of Technical Sciences.

PURPOSE: This book is intended for metallurgical engineers, research workers in metallurgy, and may also be of interest to students of advanced courses in metallurgy.

CONTENTS: This book, consisting of a number of papers, deals with the properties of heat-resisting metals and alloys. Each of the papers is devoted to the study of the factors which affect the properties and behavior of steels. The effects of various elements such as Cr, Mo, and V on the heat-resisting properties of various alloys are studied. Deformation and variability of certain metals as related to the thermal conditions are the object of another study described. The problems of hydrogen embrittlement, diffusion and the deposition of ceramic coatings on metal surfaces by means of electrophoresis are examined. One paper describes the apparatus and methods used for growing amorphous films of metals. Another paper describes the methods used for studying the properties of amorphous films. The properties of amorphous films and the behavior of steels in metal tests of tensile and compression blades are described. No personalities are mentioned. References accompany most of the articles.

Sevitskiy, Y.G., and I.V. Popov. Study of Certain Problems of the Temperature Dependence of the Plasticity of Steel from the Viewpoint of the Dislocation Theory	180
Grunin, P.I., L.V. Pavlov, A.D. Trifunovskiy (Dnepropetrovsk), and S.B. Pelevov	185
Self-Diffusion in Chromium and Molybdenum	190
Peddyakov-Lutikov, G.P., M.P. Sheshenny, A.B. Koplov, S.I. Pukha, and L.M. Marinenko. Investigation of the Properties of El 75% Steel	195
Zelaznitskiy, G.P., P.I. Pashchenko, and M.I. Solonovskiy. Cast Austenitic Steels for Service at Temperatures of 550-700°C	198
Yegorov, V.I., M.A. Pilavov, A.V. Ryabchenkov, A.I. Malozemov, S.A. Iokharskiy, A.S. Lobanov, D.I. Beretinskiy, V.K. Shchegolev, and M.I. Shchegolev. Heat-Resistant Alloy for Automotive and Stationary Gas Turbines	199
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Arbuzov, P.M. Study of Phase Composition of the Diffusion Layer	190
Agayev, S.A. On the Theory of Recovery and Complex Alloying of Steels	191
Sevitskiy, Y.G., V.I. Glimbertskiy, V.I. Pilya, G.P. Kurdyumov, M.V. Antipov, I.V. Trifunovskiy, and A.M. Lurie. Corrosion of Heat-Resisting Alloys	200
Agayev, S.A., and A.M. Seleznevskiy. Metallurgical Problems in Electromagnetic Heating of Heat-Resisting Austenitic Steels and Nickel-Chromium-Alloyed Alloys	201
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PHASE I HVOA EXPLOITATION 30W/3791

Sovesheniye po obrabotke sharoprochnykh splavov, Moscow, 1957.

Obrabotka sharoprochnykh splavov: (sbornik dokladov...) (Treatment of Heat-Resistant Alloys: Collection of Papers Read at the Conference), Moscow, Izd-vo AN SSSR, 1960. 231 p. 3,500 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Institut mashinovedeniya. Kolaitsiya po tekhnologii mashinostroyeniya; Akademiya nauk SSSR. Institut metallurgii im. A.A. Baykova. Nauchnyy sovet po problemam sharoprochnykh splavov.

Resp. Ed.: V.I. Mikushin, Academician; Ed. of Publishing House: V.A. Kotov; Tech. Ed.: V.V. Brudgil.

PURPOSE: This book is intended for metallurgists.

COVERAGE: This book consists of thirty papers read at the Conference on the Treatment of Heat-Resistant Alloys held in Moscow by the Committee on Machine-Building Technology, Institute of the Science of Machines, Academy of Sciences USSR, in 1957. The papers deal with four principal areas of alloy metallurgy: casting, forming, machining, and welding. The alloys (together with refractory carbides, borides, nitrides, and oxides) are discussed especially in connection with their application in the manufacture of turbine blades, heat engine parts, pistons, connecting rods, valves, and other components. The properties, heat treatment, and metal-cutting tools for these materials are mentioned. Some of the articles are accompanied by references, mainly Soviet.

Aksenov, P.V. Cast Motor Blades for Gas Turbines 25

Korneyev, N.I., I.G. Skugarev, S.B. Pevzner, and Ye.I. Razuvaev. Thermomechanical Conditions in the Working of Refractory Alloys of Molybdenum and Chromium Base 33

Rudkovskiy, I.B., and B.I. Aleksandrov. Effect of Work Hardening on the Fatigue Strength of Heat-Resistant Steels at High Temperatures 41

Ravich, V.M. Deep Drawing of Products From Heat-Resistant Sheet Metals With the Application of Deep Freezing 53

Kleymenov, V.Ya., and T.M. Sazonova. Plastic Workability and Mechanical Properties of Titanium Alloys as Determined by the Conditions of Hot Working 59

Davydov, Yu.P. Special Features of the Stamping of Heat-Resistant and Titanium-Alloy Sheet 67

Petrov, I.S. Upsetting of Heat-Resistant Steel Standard Parts [Aircraft Fasteners, Bolts, Rivets, Etc.] 75

Ruleshev, M.Ye. Precision Drop Forging of Steel [Turbocompressor] Blades 79

Byfir, Ye.M. Process of Manufacturing Turbine-Blade Holes From Heat-Resistant Alloys With Minimum Machining Allowances Along the Blade 87

Mikol'skiy, L.A. Special Features of the Drop Forging of Titanium Alloys 98

Nikolayev, O.A. Welding of Turbine Parts Made of Heat-Resistant Alloys 109

Medvedev, B.I. Automatic Electro-Arc and Electroslag Welding of Heat-Resistant Alloys 113

ACC NR: AP7004792

SOURCE CODE: UR/0413/67/000/001/0127/0127

INVENTOR: Pevzner, S. B.; Korneyev, N. I.; Skugarev, I. G.; Malashenko, Yu. V.;
Yemel'yanov, V. B.; Zakharova, G. V.

ORG: none

TITLE: Method of welding dissimilar metals. Class 49, No. 190182

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 127

TOPIC TAGS: dissimilar metal welding, ~~metal~~ vacuum welding, ~~welded~~ metal extrusion,
WELDING TECHNOLOGY

ABSTRACT: This Author Certificate introduces method for welding dissimilar metals.
Articles to be welded are heated and extruded in vacuum. To improve the weld
quality, they are extruded through a die. [AZ]

SUB CODE: 11, 13/ SUBM DATE: none

Cord 1/1

UDC: 621.791.4

KABANOV, Yu.N.; KORMEYEV, N.I.; KALUGIN, V.F.; SKUGAREV, I.G.; PEVZNER, S.B.

Technology of the thermomechanical hardening of steel during
rolling and extrusion. Metalloved. i term. obr. met. no. 24
55-58 1964 (MIRA 17:1)

KABANOV, Yu. N.; KORNEYEV, N. I.; PEVZNER, S. B.; SKUGAREV, I. G.;
KALUGIN, V. P.

Extra-strong pressed steel semifinished articles. Biul.tekh.-
ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. no.10:
37-38 '62. (MIRA 15:10)

(Deep drawing(Metalwork))

ACCESSION NR: AP4012434

S/0129/64/000/002/0055/0058

AUTHOR: Kabanov, Yu. N.; Korneyev, N. I.; Kalugin, V. F.; Skugarev, I. G.; Pevzner, S. B.

TITLE: Technology of hot work hardening of steel during rolling and compression

SOURCE: Metalloved. i term. obrab. metallov, no. 2, 1964, 55-58

TOPIC TAGS: VL1steel, martensite steel, austenite steel, steel rolling, steel compression, steel strain hardening, steel work hardening

ABSTRACT: A technology for hot work hardening of steel during rolling and compression was developed using martensite class VL1 type steel for testing. The carbon content in the austenite has a vital bearing upon the process after work hardening had been attained. It was established that work hardening is augmented with a carbon content up to 0.5%. Steel with a carbon content of 0.6% or more is subject to brittle fracture after hot work hardening.

Card 1/2

ACCESSION NR: AP4012434

The optimal

carbon content in steel for hot work hardening is from 0.45 to 0.55% with best hot work hardening attained with one roll pass. It was found that it is impossible to get a 90% deformation with a single pass, but up to 87% reduction with a single pass with some small billets was obtained with rapid temperature rises from 550 to 700C at the point of deformation. The sharp increase of temperature causes a partial recrystallization with ensuing reduction in work hardening. The specific pressure also rises sharply at deformations above 80%. The austenite which is most stable at 450C and least stable at 650C is preferably deformed at temperature slightly above 450C to prevent small reductions in temperature which may cause the austenite to transform. It is important that during the hot work hardening the prescribed temperatures during rolling (500-600C) be maintained without sharp heating and cooling. The austenite rolled with several passes was found to be harder than that with only one pass. The two rolling sequences which are given for this process are very complex, especially if used in industrial conditions. Orig. art. has: 6 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 03Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

Card 2/2

PEVZNER, S.G., inzh.

Suggestions introduced by the integrated brigades of the Leningrad telegraph. Vest. svyazi 21 no.1:27 Ja '61. (MIRA 15:5)

1. Leningradskiy tsentral'nyy telegraf.
(Leningrad--Telegraph--Equipment and supplies)

PEVZNER, S.I.

Cavernous hemangiona of the small intestine complicated by profuse hemorrhage. Khirurgia 34 no.9:112-113 S '58. (MIRA 12:4)

1. Iz khirurgicheskogo otdeleniya (zav. S.I. Pevzner) Reutovskoy bol'nitsy (glavnyy vrach Ye. V. Rakitina) Moskovskoy oblasti.
(INTESTINES--TUMORS) (HEMORRHAGE)

111 111 111
KONDRAT'YEV, K.Ya., dotsent; PEVZNER, S.I., student.

Interrelationship between streams of energy and light radiation.
Nauch. biul. Len. un. no.32:12-13 '54. (MLRA 10:4)

1. Kafedra fiziki atmosfery.
(Solar radiation)

PEVZNER, S.I.

Second Congress of the Scientific and Technical Society of
Ferrous Metallurgy. Koks i khim. no.4:55-56 '62.

(Coke industry)

(Metallurgy)

(MIRA 16:8)

PEVZNER, S.I.

Second Conference of the Scientific Technological Society for
Ferrous Metallurgy. Gor.zhur. no.5:77 Ny '62. (MIRA 16:1)
(Iron ores—Congresses)

PEVZNER, S.I.

At the IV Plenum of the Central Administration of the Scientific
Technological Society for Ferrous Metallurgy. Gor. zhur. no.4:
76 Ap '65. (MIRA 18:5)

RAVICH, Mark Borisovich, prof. dr. tekhn. nauk; DVORIN,
Semen Semenovich, prof. dr. SEMENOV, Solomon Isaakovich,
inzh.; SUSHAIN, I.S., prof. dr. DUBROV, G.P., doktor
tekhn. nauk (dissertatsiya); KHEZEL, T.A., kand. tekhn.
nauk, red.

[Fuel for metallurgy: a handbook] Metallurgicheskoe
toplivo; spravochnik. [R] avtor. kollektiv. Moskva, Metallur-
giia, 1965. 470 p. (MIRA 18:12)

KIRYUKHIN, B.V.; PEVZNER, S.I.

Freezing temperature of water drops and salt solutions suspended in
oil. Trudy GGO no.57:101-107 '56. (MIRA 10:1)

1. Leningradskiy gosudarstvennyy universitet, fizicheskii fakul'tet.
(Freezing points)

PEVZNER, Samuil L'vov'ich; PEVZNER, M.I., retsenzent; PLEMYANNIKOV, M.N.,
red.; GOLUBKOV, V.A., tekhn.red.

[Capital assets and production capacities of light industry]

Osnovnye fondy i proizvodstvennye moshchnosti legkoi pro-
myshlennosti. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960.

215 p.

(MIRA 14:6)

(Capital)

(Russia—Manufactures)

PEVZNER, S.L.

Focal and directorial properties of curves of the second order
on the Lobachevskii plane. Izv. vys. ucheb. zav. mat. no. 6:184-
194 '60. (MIRA 14:1)

1. Komsomol'skiy-na-Amure pedagogicheskiy institut.
(Geometry, Non-Euclidean)

PEVZNER, Samuil L'vovich, kand. ekonom. nauk, dots.; KRUK, D.M., kand.
ekonom. nauk, otv. red.; REYNGOL'D, S.I., red.

[Capital construction in U.S.S.R. industry; textbook for a
course in the economics of socialist industry] Kapital'noe
stroitel'stvo v promyshlennosti SSSR; uchebnoe posobie po
kursu ekonomika sotsialisticheskoi promyshlennosti. Moskva,
M-vo vysshego i srednego spetsial'nogo obrazovaniia RSFSR, 101 p.
(Construction industry--Finance) (MIRA 14:12)
(Russia--Industries)

PEVZNER, S.L.

Dualized focal-directional properties of second order curves
on a Lobachevskii plane. Izv.vys.ucheb.zav.; mat. no.5:39-50 '61
(MIRA 14:10)

1. Komsomol'skiy-na-Amure pedagogicheskiy institut.
(Geometry, Non-Euclidean)

SECRET

SECRET 10-1-1944, 10-1-1944
COR 33 10-1-1944 10-1-1944

1. This material is classified "Secret" because it contains information that is so classified by the Department of Defense and the Department of State.

PEVZNER, S.L.

Invariants of equations of plane cross sections of second-order surfaces in hyperbolic, parabolic, and elliptic spaces. Trudy Nauch.ob'ed.prep. fiz.-mat. fak.ped.inst.Dal'.Vost. 1:50-59 '62.

An arithmetic problem. 92-97

(MIRA 17:3)

1. Komsomol'skiy-na-Amure gosudarstvennyy pedagogicheskiy institut.

PEVZNER, S.L.

Detailed classification of indecomposable second-order curves
on a Lobachevskii plane with the aid of focal directorial
invariants. *Izv.vys.ucheb.zav.*; mat. no.6:85-90 '62.

(MIRA 15:12)

1. Komsomol'skiy-na-Amure gosudarstvennyy pedagogicheskiy institut.
(Curves) (Invariants)

PEVZNER, S.L.

Invariants and standard representations of quadrics in quasi-
elliptic spaces. Dokl. AN SSSR 149 no.4:773-775 Ap '63.
(MIRA 16:3)

1. Predstavleno akademikom P.S.Novikovym.
(Invariants) (Quadrics) (Spaces, Generalized)

PEVZNER, S.L. (Komsomol'sk-na-Amure)

Conjoint invariants of the sections of a pair of quadrics by a
plane in a multidimensional complex projective space. Ukr.mat.
zhur. 14 no.2:217-219 '62. (MIRA 15:11)
(Quadrics) (Invariants) (Spaces, Generalized)

DUNAYEV, N.I., inzh. (g.Svobodnyy); KANTEMIROV, D.D., inzh. (g.Svobodnyy);
FEDORINA, F.T., inzh. (g.Svobodnyy); KOCHERGIN, V.N., inzh.
(Svobodnyy); PEVZNER, S.L., inzh. (g.Svobodnyy)

"Organization of the work in a railroad section" by IU.I.Zelenskii,
P.S.Tikhomirov. Reviewed by N.I.Dunaev and others. Zhel.dor.
transp. 43 no.11:94-96 N '61. (MIRA 14:11)

(Railroads—Management)
(Zelenskii, IU.I.)
(Tikhomirov, P.S.)

PENNER, S.L.

Quadrics in non-Euclidean spaces. Mor. zap. VOPR. 1965, 1965:
298-311 (1965) (MIA 1965)

Quadrics in quasi-Euclidean spaces. Ibid. 1965, 1965.

PEVZNER, S.L.

Credit and banks; reprinted from the book on banking. Khar'kov, IUrId. izd-vo Narkomib-
sta USSR, 1927. 118 p.

1. Banks and banking-Russia.

PEVZNER, S.L., kandidat ekonomicheskikh nauk.

"Financial operations of machine building plants." E.L. Mitel'man,
V.IA. Solodovnikov. Reviewed by S.L. Pevzner. Vest.mash. 35 no.9:
89-90 S '55. (MLRA 9:1)
(Machinery industry--Accounting)

MOVSESYAN, L.A. (Yerevan); KASHIN, B.I. (Ostashkov); USHAKOV, V.V. (Belgorodskaya
obl.); HAMZIN, Kh.Kh. (Sterlitamak); CHERNYSHEVICH, I.V. (Kopyl');
PALATNIK, G.S. (Vinnitsa); LEYBMAN, M.R. (Sverdlovsk); PEVZNER, S.L.
Komsomol'sk-na-Amire)

Problema. Mat. v shkole no.6:91 N-D '59 (MIRA 13:3)
(Mathematics--Problems, exercises, etc.)

PEVZNER, S.L.

"Problems of geography of the people's democracies". Akademiia nauk
SSSR. Trudy instituta geografii, volume 59. Reviewed by S.L.Pevzner.
Geog. v shkole 19 no.4:76-78 J1-Ag '56. (MLRA 9:10)
(Europe, Eastern--Economic conditions)

PEVNER, S.L.

"In the land of Ursa Major." P.Barashev. Reviewed by S.L.Pevsner.
Geog. v shkele 18 no.6:71-72 E-D '55. (MIRA 9:1)
(Arctic regions) (Barashev, Pavel Romanovich)

ACC NR: AP7008930

SOURCE CODE: UR/0199/66/007/005/1076/1086

AUTHOR: Pevzner, S. L.

ORG: none

TITLE: Automorphisms of pairs of quadrics in a projective space

SOURCE: Sibirskiy matematicheskiy zhurnal, v. 7, no. 5, 1966, 1076-1086

TOPIC TAGS: mathematic space, mathematics

SUB CODE: 12

ABSTRACT: The article considers the problem of finding all automorphisms of pairs of quadrics in a projective space. The problem is solved in the sense that the number of parameters of the group of automorphisms is established and matrices of the automorphisms are expressed through these parameters. The author finds automorphisms of pairs of quadrics in complex projective space $P_n(1)$ and in real projective space P_n . The article concludes by applying the results to the study of groups of automorphisms of individual forms of quadrics in Lobachevskiy space 1S_n and in space 2S_3 .
Orig. art. has: 32 formulas. [JPRS: 40,303]

Card 1/1

UDC: 513.5
0929 1756

PEVZNER, Samuil L'yovich, kandidat ekonomicheskikh nauk; NIKOL'SKAYA, G.,
redaktor; KOKOULINA, A., tekhnicheskiiy redaktor

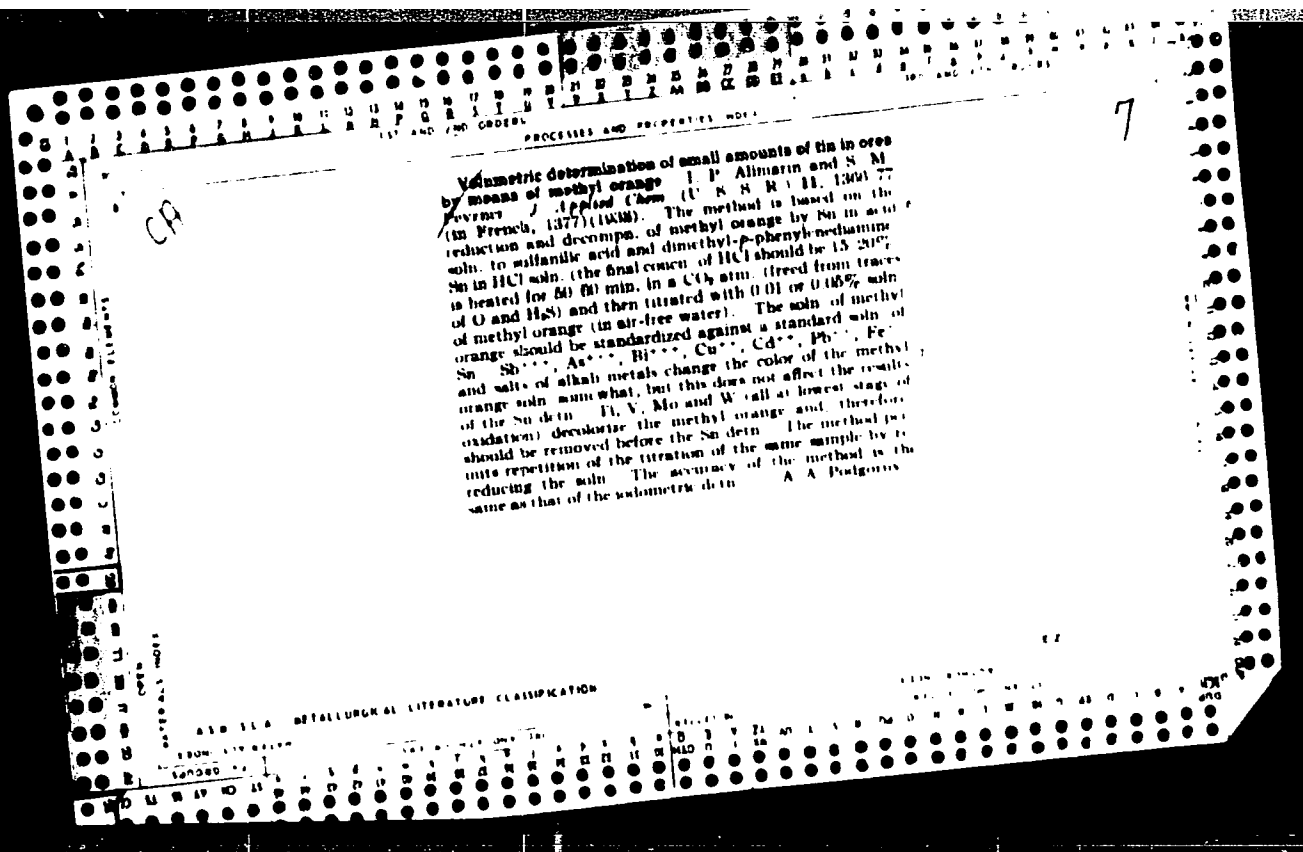
[Northern Krasnoyarsk] Krasnoyarskii Sever. [Krasnoyarsk]
Krasnoyarskoe knizhnoe izd-vo, 1956. 55 p. (MIRA 10:7)
(Krasnoyarsk Territory)

Oxidation of salts of arsenous acid by the oxygen of the air. N. A. SHILOV AND S. M. PUGACH. *J. Chem. Ind. (Moscow)* 7, 750 (GX 1930) -- H_3AsO_3 and its salts are easily oxidized by oxidizing reagents, but at the same time they are very stable toward gaseous O_2 . To detect the proper method, attempts were made to oxidize KH_2AsO_4 with O_2 in the presence of several substances having catalytic properties such as salts of Cu, Fe, Mn, Ce, free I_2 , H_2CrO_4 , H_2MoO_4 , and H_2TeO_4 but without success. Oxidation with NO_2 also proved to be ineffective. Salts of H_2CrO_4 , H_2MoO_4 , and of Ce (HNO_3) and Hl quite satisfactory results were obtained. By taking into consideration the quick oxidation of H_3AsO_3 by I_2 , the following reactions seemed possible: (1) $2\text{HNO}_3 + 2\text{HI} = 2\text{H}_2\text{O} + \text{I}_2 + 2\text{NO}$, (2) $\text{I}_2 + \text{NaH}_2\text{AsO}_3 + \text{H}_2\text{O} = \text{NaH}_2\text{AsO}_4 + \text{HI}$, (3) $2\text{NO} + \text{O}_2 + \text{H}_2\text{O} = \text{HNO}_3 + \text{HNO}_2$. It was found, however, that reaction (1) progresses in acid medium, whereas reaction (2) becomes reversed in acid medium. The concn of HNO_3 in reaction (3) prolongs the reaction time. The plan of procedure was as follows. In a glass column, filled with glass beads, the soln of a salt of H_3AsO_3 was introduced by drops with the addition of KI. In the same column there were introduced: air, the mixt of N oxides and gaseous HCl. The addn of these components could be regulated. Analysis was made of the products and the gases which passed through the column. Complete oxidation of H_3AsO_3 into H_3AsO_4 was attained by proper adjustment of the ratio of ingredients and the velocity of the gases through the column.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001240720002-3"

1ST AND 2ND ORDERS																									
PROCESSING AND PROPERTY NOTES																									
Colorimetric determination of gold in dilute solutions with α-naphthylamine hydrochloride. I. A. Paul'sen and S. M. Pevner. <i>J. Applied Chem. U.S.S.R.</i> 11, 1807 (1968) (German 7005 (1968)). Add 1 cc. of the sample with water to 10 cc., add 1 cc. of 0.1% α-C₁₀H₇NH₂ HCl soln. and compare the violet soln. with a similarly treated standard. The color of the treated soln. increases in the 1st 2-3 min., then remains const. for 1-2 hrs. If the soln. is allowed to stand more than 2 hrs. the results are high. The intensity of the color obeys the Beer Lambert law. The presence of 0.1% soln. of Cu, Zn, Pb and Fe also 1% ions does not interfere with the detn. The accuracy of the method is $\pm 2\%$. Pd interferes. The detn. cannot be made in strongly acid soln. because of the decomposition of the product, while an alk. soln. produces a blue color which is not stable. Acidifying the alk. soln. causes the formation of NaCl in large amt. which decreases the stability of the color to such extent that the detn. is not possible. Seven references. A. A. Paulson																									
ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION																									



PEVNEH, S.M., inzh.

A case of calculation of hydraulic structures with an elastic supporting shell under construction. Study IIT no. 11-1-6
164. MIN 196.

DUMOV, S.I.; TSEGEL'SKIY, V.I. inzh., retsenzent; AMIGUD, D.Z.,
inzh., retsenzent; PEVZNER, S.M. inzh., red.

[Manual for a course project on the subject "Equipment
and technology of arc welding"] Rukovodstvo dlia kurse-
vogo proektirovaniia po predmetu "Oborudovanie i tekhn-
nologiiia dugovoi svarki." Moskva, Mashinostroenie, 1966.
137 p. (MIRA 18:8)

PEVZNER, S.M., inzh.

Floating concrete plant for building harbor structures. Transp.
stroi. 11 no.3:27-29 Mr '61. (MIPA 14:3)
(Concrete plants) (Hydraulic structures)

PEVZNER, S.M., inzh.

Protecting metal sheet piling from corrosion under winter con-
ditions. Transp. stroi. 11 no.10:32-33 S '61. (MIRA 12-10)
(Corrosion and anticorrosives) (Sheet piling)

PEVZNER, S.M., inzh.

Use of air-entraining admixtures in the concrete of hydraulic structures. Trnsp. stroi. 12 no.9:31-32 S '62. (MIRA 16:2)
(Air-entrained concrete) (Hydraulic structures)

REVZNER, S.M., 1928.

Calculating scotinson arch type structures. Trudy
no.47:11-20 '63. (M.I.A. 1:1)

BELEN'KIY, M.Ya., kand. tekhn. nauk; IZV. VSE, 1963.

Solving differential equations for the curve of a scolinson
arch type structure of general form. Izv. AN SSSR, no. 47:
21-26 '63. (MIRA 17:9)

PEVZNER, Solomon Romanovich; PLEKHANOV, I.P., red.

[Driving of a motor vehicle] Vozhdenie avtomobilia. Moskva, Transport, 1965. 118 p. (MIRA 18:7)

PEVZNER, Solomon, Romanovich; KLINKOVSHTEYN, G.I., red.; LAKHMAN, P.Ye.,
tekhn. red.

[Driving of automobiles; a manual for instructors] Vozhdenie
avtomobilia; rukovodstvo dlia instruktora. Izd.6. Moskva, Nauchno-
tekhn. izd-vo avtotransp. lit-ry, 1958. 100 p. (MIRA 11r7)
(Automobile drivers)

PEVZNER, Solomon Romanovich; YEFREMOVA, Ye.V., red.; ANDRIANOV, B.I., tekhn.red.

[How to drive an automobile] Tekhnika vozhdeniia avtomobilia.

Izd.2-oe perer.i dop. Moskva, Izd-vo DOSAAF, 1957. 178 p.

(MIRA 10:12)

(Automobile drivers)

ЛЕВЗNER, S. R.

6900. Levzner, S. R. Vozndeniye avtomobilya. (rukovodstvo dlya instruktora). Izd. 5-ye, pererabot i dop. M., Avtotransizdat, 1954. 110s. s ill.; 1 l. ill 21sm. 10.00 ekz. 2r. — (55-297²)

4-ye izd. vyshlo pod nazv: rukovodstvo dlya instruktorov uchebnoyeyzdy na avtomobile. 060.13+024.112

Sc: Knizhnaya letopis' N. O., 1954

PEVZNER, S.R.

[How to drive an automobile] Tekhnika vozhdeniia avtomobilia.
Moskva, DOSAAF, 1954. 184 p. (MLRA 8:2D)

PEVZNER, -S. R.

Technology

Manual for instructors of automobile driving. Moskva, Izd-vo Ministerstva kommunal'nogo khoz. RSFSR, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1958, 2. Unclassified.

FEVNER, S.V.

**Section of sanitation and epidemiology of the Fifth Conference of
Physicians of Novosibirsk Province. Gig.1 san. no.12:46-47 D '53.
(MLBA 6:12)**

**(Novosibirsk Province--Public health) (Public health--
Novosibirsk Province)**

N/5
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1954

PEVZNER, SOLOMON REVSNER

Vozhdeniye avtomobilya (Rukovodstvo dlya instruktora) (Driving an automobile) izd. 5, perer i dop. Moskva, Avtotranssizdat, 1954.

108 p. illus., diagrs.

PEVZNER, Solomon Romanovich; SHESTOPALOV, K.S., redaktor; MAL'KOVA, N.V.,
tekhnicheskiiy redaktor.

[Automobile driving; an instructor's manual] Vozhdenie avtomobilia;
rukovodstvo dlia instruktora. Izd. 5--e, perer. i dop. Moskva, nauchno-
tekhn.izd-vo avtotransp. lit-ry, 1954. 115 p. (MIRA 8:4)
(Automobile drivers)

Subject : USSR/Medicine AID P - 3662

Card 1/1 Pub. 37 - 8/19

Author : Pevzner, S. V., Regional State Sanitary Inspector of the
~~Novosibirsk Oblast~~

Title : Sanitary measures in the regions being brought under cultivation

Periodical : Gig. i. san., 11, 38-41, N 1955

Abstract : Describes the conditions in Siberia relative to the planning of new settlements on virgin land, and makes recommendations to sanitary organizations on solving hygienic and epidemiological problems.

Institution : None

Submitted : J1 22, 1955

PEVZNER, S.V.

Further considerations on the sanitary and epidemiological council.
Oig. 1 san. 24 no.10:71-72 '59. (MIRA 13:1)

1. Iz Novosibirskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(PUBLIC HEALTH)

PEVZNER, S.Z.; MASHINA, O.K., red.; BEYSHENOV, A., tekhn.red.

[Frunze-Osh highway] Avtomagistral' Frunze-Osh. Frunze,
Kirgizskoe gos.izd-vo, 1959. 32 p. (MIRA 13:4)
(Road construction)

PEVZNER, S.V.

Organization of preventive sanitary control. Sig. 1 san.
24 no. 7:62-65 J1 '59. (MIRA 12:9)

1. Iz Novosibirskoy oblastnoy sanitarno-epidemiologicheskoy
stantsii.

(SANITATION

prev. sanitary control organiz. in Russia
(Rus))

PEVZNER, S.V.

Prophylactic control in Novosibirsk Province. Gig. i san. 23
no.6:47-50 Je '58 (MIRA 11:7)

1. Iz Novosibirskoy oblastnoy sanitarno-epidemiologicheskoy
stantsii.

(SANITATION
in Russia (Rus))

PEVZNER, S.V.

Sanitation measures in districts where virgin lands are being reclaimed. Gig. 1 san. no.11:38-41 N '55. (MLRA 9:1)

1. Oblastnoy gosudarstvennyy sanitarnyy inspektor Novosibirskoy oblasti.

(SANITATION

in districts of virgin soil appropriation)

(RURAL AREAS

districts of virgin soil appropriation, sanitation)

PEVZNER, S.V., sanitarnyy vrach

The sanitary and epidemiological council in the operation of
epidemiological stations. Gig. i san. 21 no.6:63-65 Je '56.

(MLRA 9:8)

1. Iz Novosibirskogo oblastnogo otdela zdavookhraneniya
(PUBLIC HEALTH,
sanit.-epidemiol. stations in Russia, role of
councils (Rus))

PEVZNER, S.V.

Measures for the sanitary protection of the reservoir of the
Novosibirsk Hydroelectric Power Station. Gig. i san. 24
no.8:46-49 Ag '59. (MIRA 12:11)

1. Iz Novosibirskoy oblastnoy sanitarno-epidemiologicheskoy
stantsii.

(WATER SUPPLY)

COMMON ELEMENTS																										COMMON VARIANTS																									
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
F 2024. DETERMINATION OF THE ACTIVITY OF GAS PURIFYING MASSES Shevchenko, E. T. and Pyrmor, T. B. (Zavol'skaya Lab., 1945, 11, 226-6) H_2S is removed from gas by the reaction $2Fe(OH)_3 + 3H_2S = Fe_2S_3 + 6H_2O + 10.4 \text{ cal.}$ The activity of the mass can be detd. gravimetrically, or by measuring the heat effect of the reaction. For the gravimetric detn., H_2S is passed through 0.2g. of the mass between 2 layers of silica gel (to absorb the H_2O produced), and the increase in wt. with time is detd. Substances tested were (I) marsh ore (d.0.65, coarseness 0.5-0.75 mm.) roasted at 500°, (II) marsh ore contg. $Fe(OH)_3$ 89.7% (d.0.70, coarseness 0.5-0.75 mm.), (III) a mixt. of marsh ore with the waste product of Al plants (1:1) (d. 0.78, coarseness 0.5-0.75 mm.), (IV) Marsh ore contg. $Fe(OH)_3$ 86.8% (d. 1.07, coarseness 0.5-75 mm.). Of these materials 9.50g. was mixed with 0.45 g. sandust (0.5-0.75 mm.), and 0.05 g. lime. The mass prepd. from I is most active; this is attributed to a greater surface of the mass, resulting from the combustion of peat contained in I. IV was the least-active component; the activity of III was similar to that of																																																			
ASB-31A METALLURGICAL LITERATURE CLASSIFICATION FROM SYNDICATE FROM BOMBY																																																			

I, but the capacity of the mass prepd. from III was considerable smaller than of those prepd. from I or IV, owing to the low content of $\text{Fe}(\text{OH})_3$ in the Al wastes. To det. the activity by the thermal effect, the temp. change was measured by means of an Fe-constantan thermocouple. The two methods give the same results: the time required for the gravimetric method is 3 hrs., and that for the thermal method 1 hr.

C. A.

E. VA. 104, 1.0.; 1973, 1.0.

[illegible]

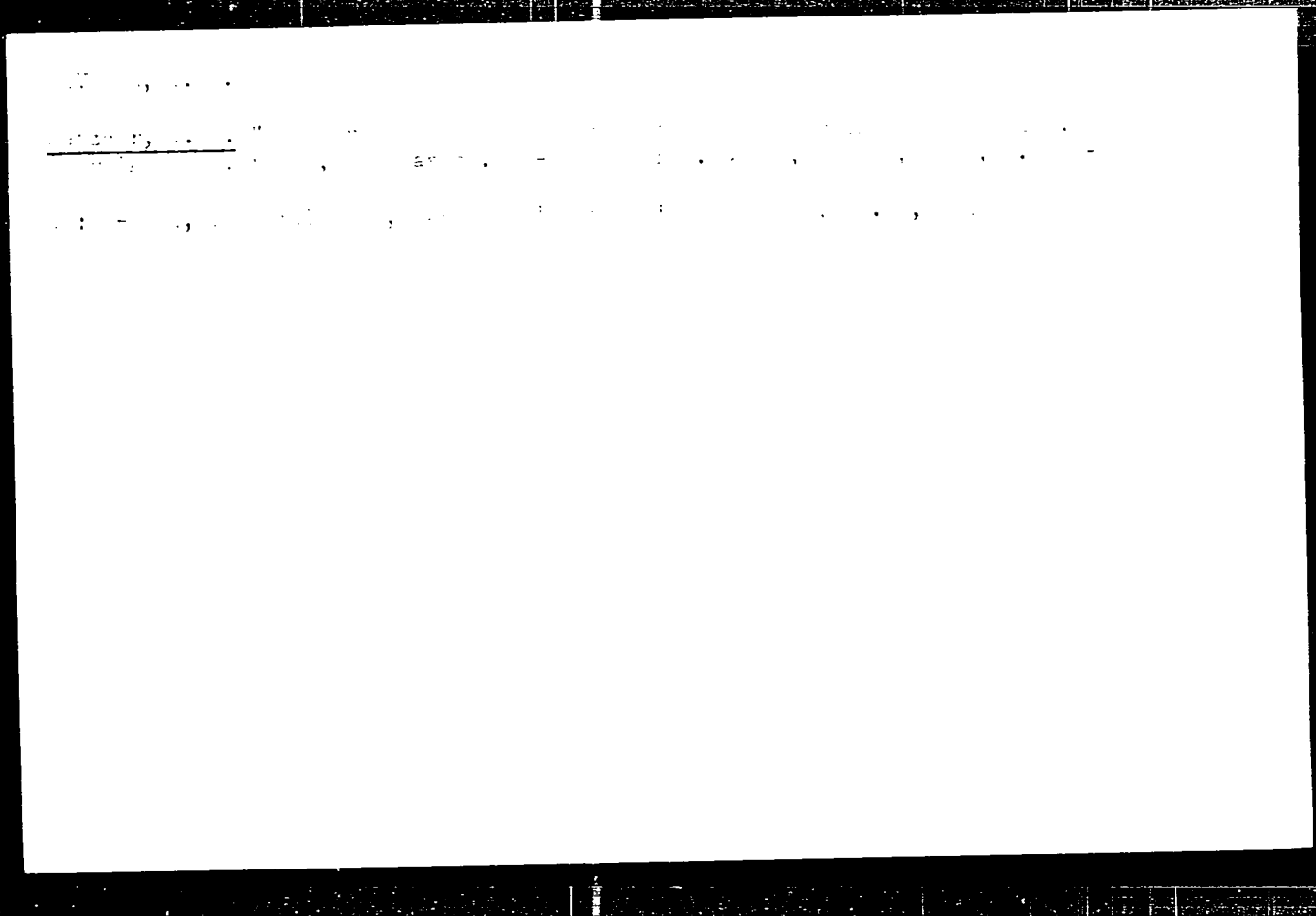
TURBINA, N.S.; ROZANOVA, N.S.; PEVZNER, T.N.

Case of lymphogranulomatosis treated with auranthine. ~~Problemy~~
genet. i perel. krovi 8 no.8:53-56 Ag '63. (MIRA:17:8)

1. Iz gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin)
i patologoanatomicheskoy laboratorii (zav. - prof. N.M. Nemenova)
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya
krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya
SSSR.

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PEVENSE, Th. V.

Defense his Dissertation for Candidate of Chemical Sciences, Institute of
Physical Chemistry, Kiev, 1960

Dissertation: "Kinetics of the Catalytic Decomposition of Ammonia"

SO: Referativnyi Zhurnal Khimii, No. 1, Oct. 1965 (4, 1965, 1 Apr 66)

PEVZNER, TS. V.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 13/27

Authors : Rusov, M. T., Pevzner, Ts. V.

Title : Kinetics of the synthesis and decomposition of ammonia over iron catalysts

Periodical : Zhur. fiz. khim. 28/9, 1628-1637, Sep 1954

Abstract : Results obtained during comparative investigation of the kinetics of ammonia decomposition over an iron porous-granule and smooth iron-foil "Armko" are presented. The results obtained by studying the kinetics of ammonia synthesis over a porous-granule of an iron catalyst, were found to be in conformity with data obtained in a quasidynamic system. The rate of reaction in a 290 - 500° temperature range was determined by the diffusion interchange in the porous-granule. The process of ammonia decomposition over an iron foil is explained. Three USSR references (1939-1950). Table; graphs; drawing.

Institution : Acad. of Sc. Ukr-SSR, The L. V. Pisarzhevskiy Institute of Phys. Chem., Kiev

Submitted : January 9, 1954

PEVZNER, Ts. V.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 147 - 14/27

Authors : Royter, V. A.; Korneychuk, G. P.; Stukanovskaya, N. A.; and Pevzner, Ts. V.

Title : Investigation of the catalytic reaction in the synthesis of ammonia by the diaphragm method

Periodical : Zhur. fiz. khim. 28/9, 1638-1651, Sep 1954

Abstract : The kinetics of ammonia synthesis over an ammonium-iron catalyst was investigated by the diaphragm method at various initial ammonia concentrations in a hydrogen-nitrogen mixture. The heat of activation of the synthesis process was calculated from obtained experimental data. The low values obtained on porous catalysts are explained. A new simplified method, which takes into consideration the effect of macro-factors during the study of the kinetics on porous catalysts, is introduced. Fourteen references: 13-USSR and 1-USA (1934-1954). Tables; graphs; drawings.

Institution : Acad. of Sc. Ukr-SSR, The L. V. Pisarzhevskiy Institute of Phys. Chem., Kiev

Submitted : January 18, 1954

Pevzner, Ts. V.

USSR Chemistry - Catalytic decomposition

Card 1/1 Pub. 147 - 8/25

Authors : Rusov, M. T., and ~~Pevzner, Ts. V.~~

Title : The kinetics of ammonia decomposition over catalysts of different nature

Periodical : Zhur. fiz. khim. 28/10, 1765-1769, Oct 1954

Abstract : The process of ammonia decomposition was investigated in conditions eliminating any diffusion distortion of the kinetics of this reaction. The investigation was conducted in strictly isothermal conditions employing catalysts of different chemical nature (iron, copper and quartz). It is shown that the kinetics of ammonia decomposition over a smooth iron foil at temperatures of 540-740° follows an outer kinetic process with an energy of decomposition activation of 54.0 kcal/mol. At temperatures above 740° the process changes into an outer-diffusion zone. The specific rate constants and the frequency factors of the decomposition reaction over the above mentioned catalysts, are explained. Nine USSR references (1934-1954). Table; graphs; drawing.

Institution : Acad. of Sc. Ukr-SSR, The L. V. Pisarzhevskiy Institute of Phys. Chemistry,
Kiev

Submitted : January 1, 1954

5 2200 1043, 1228 1273

26860
S/021/60/001 001/10/011
D210/D305

AUTHORS: Sheka, I.A., and Pevzner, Ts.V.

TITLE: Reactions of zirconium and hafnium hydroxides with sodium hydroxide

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopevnyy zbirnyk, 1960, 1090 - 1094

TEXT: In the experimental investigation the authors studied the composition of ions formed during the reaction of Zr and Hf hydroxides with NaOH. The ions composition was determined by measuring the solubility of $Zr(OH)_4$ and $Hf(OH)_4$ in concentrated NaOH solutions. The experiments were carried out by saturating NaOH solutions with freshly precipitated $Zr(OH)_4$ and $Hf(OH)_4$. Samples were saturated at 35° - $40^{\circ}C$ for 2-3 hours and left in a thermostat for several days at $25^{\circ}C$. The results found that complete equilibrium was attained in solution of 1N NaOH.

Card 1/6

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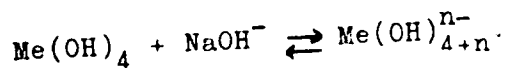
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011

D210,2305

Reactions of zirconium and ...

after 8 - 12 hours, but with higher NaOH concentrations the process became longer. The solubility curves were drawn from the data of 3 - 4 experiments, obtained partly on samples of zirconium and partly after 45 days. Solubility was measured by gravimetric analysis of solutions and by radiometric measurements (Bf 181). Solubility values for low and medium NaOH concentrations were in good agreement in different experiments; with higher concentrations (12-18N) their reproducibility was poor. Solubility of $Zr(OH)_4$ rises at first slowly, increasing more rapidly at a concentration higher than 9-10N. It follows from the data during the reaction of $Zr(OH)_4$ with NaOH, complex ions are formed, the composition of which depends on the NaOH concentration. The solution of the above hydroxides proceeds according to the equation:



The instability constant of the complex ion is expressed by the

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D210/D305

Reactions of zirconium and ...

known equation:

$$K_H = \frac{[Me(OH)_4][OH^-]^n}{[Me(OH)_{4+n}^{n-}]} \quad (1)$$

The solubility is expressed by the sum of metal hydroxide concentration and that of its complex anions present in the solution

$$S = [Me(OH)_4] + [Me(OH)_{4+n}^{n-}]. \quad (2)$$

Solubility data show that in NaOH solutions in the range 1 - 18N the solubility of zirconium hydroxide varies from $1.4 \cdot 10^{-4}$ to $3.1 \cdot 10^{-3}$ g of Zr. and that of hafnium hydroxide from $3.4 \cdot 10^{-4}$ to $7.1 \cdot 10^{-3}$. The concentration of $Me(OH)_4$ in NaOH solutions cannot be higher than its solubility in water; the latter can be calculated from the solubility product of $Zr(OH)_4$ in water, which is equal to $3 \cdot 10^{-26}$ [Abstractor's note: Data taken from Western li-
Card 3/6

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D210/D305

Reactions of zirconium and ...

temperature]; the calculated $Zr(OH)_4$ concentration in water being $1.95 \cdot 10^{-9}$. As the solubility increase of the investigated hydroxides is due mostly to complex ions formation, it follows that the concentration of $Me(OH)_4$ is about 10^5 times smaller than that of the complex ions and that the expression $Me(OH)_4$ in Eq. (2) can be omitted. It is shown that in NaOH concentrations up to 10N an ion $Zr(OH)_5$ is formed and in higher concentration - the ion $Zr(OH)_6^{2-}$; further that an ion $Hf(OH)_5$ is also formed in the range of NaOH concentrations 1 - 10N. The solubility of hafnium hydroxide in NaOH solutions up to 12N is higher than that of Zr, but in higher NaOH concentrations this solubility decreases; in the author's opinion this is due to the formation of a complex compound - sodium hydroxohafnate which is precipitated from concentrated NaOH solutions: The authors obtained such precipitates from $Hf(OH)_4$ in NaOH(15-19N). In different samples of these precipitates 2.3 - 2.5

Card 4/6

Reactions of zirconium and ...

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D210/D305

Na atoms were present for each Hf atom; this ratio corresponds approximately to the compound $\text{Na}_2[\text{Hf}(\text{OH})_6]$. The lower solubility of zirconium hydroxide and the absence of a maximum on its curve prove a lesser stability of the hydroxozirconate anion than that of Hf anion; this is supported by their instability constants which can be calculated from

$$\lg S = \text{nl}g C_{\text{OH}} - \lg K_{\text{H}} + \lg [\text{Me}(\text{OH})_4]. \quad (3)$$

The instability constant of $\text{Zr}(\text{OH})_5^-$ ions was found to be slightly larger than that of $\text{Hf}(\text{OH})_5^-$ ($1.9 \cdot 10^{-5}$ and $1.1 \cdot 10^{-5}$ respectively). There are 2 figures and 13 references: 5 Soviet-bloc and 8 non-Soviet-bloc. [Abstractor's note: One reference given in Russian is a translation from German]; The references to the English-language publications read as follows: T. Taggart, Rev. Pure Appl. Chem., 1, 152, 1951; F. Venable, Th. Clarke, J. Am. Chem. Soc., 18, 434, 1896; E. Larsen, A. Gammill, J. Am. Chem. Soc., 72, 3615, 1950.

Card 5/6

Reactions of zirconium and ...

26860

S/021/60/000/008/010/011
D210/D305

ASSOCIATION: Institut zagal'noyi ta neorganichnoyi khimiyi AN URSS
(Institute of General and Inorganic Chemistry of the
As UkrSSR)

PRESENTED: by Yu.K. Delimars'kyyi, Academician A. UkrSSR

SUBMITTED: September 29, 1959

Card 6/6

SHEKA, I.A.; PEVZNER, TS.V.

Solubility of zirconium and hafnium hydroxides in sodium hydroxide
solutions. Zhur. neorg. khim. 5 no.10:2311-2314 0 '60.
(MIRA 13:10)

1. Institut obshchey i neorganicheskoy khimii Akademii nauk USSR.
(Zirconium hydroxide) (Hafnium hydroxide)

SHEKA, I.A.; PEVZNER, TS.V.

Reaction of zirconium and hafnium hydroxides with sodium hydroxide.
Dop. AN URSR no.8:1090-1094 '60. (MIRA 13:9)

1. Institute obshchey i neorganicheskoy khimii AN USSR. Predstavleno
akademikom AN USSR Yu.K. Delimarskim.
(Hydroxides)

S/078/60/004 005,011
B004/B067

AUTHORS: Sheka, I. A., Pevzner, Ts. V.
TITLE: Solubility of the Zirconium and Hafnium Hydroxides in
Solutions of Caustic Soda
PERIODICAL: Zhurnal neorganicheskoy khimii, 1960. Vol. 5. No. 10.
pp. 2311 - 2314

TEXT: The authors wanted to determine the solubility of $Zr(OH)_4$ and $Hf(OH)_4$ in NaOH and to clarify the composition of the resulting compounds. The solubility was determined at 25°C in 1 - 18 N NaOH. The hydroxides were obtained from the oxychlorides by precipitating them from ammonia by means of an aqueous solution. The solutions of the hydroxides in soda lye showed no Tyndall effect. They were analyzed for NaOH, Zr, and Hf. In some experiments also Hf^{181} was used. Measures were taken to avoid the access of CO_2 to the solutions. The results are presented in a Table and in Figs. 1, 2. The solubility of $Zr(OH)_4$ in NaOH at 25°C is lower than that of $Hf(OH)_4$; however, with increasing concentration of NaOH it increases.

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Solubility of the Zirconium and Hafnium
Hydroxides in Solutions of Caustic Soda

S/078/60/005/010,014 02
B004/B067

Also the solubility of $\text{Hf}(\text{OH})_4$ increases with increasing concentration of NaOH; however, at 11-12 N NaOH it attains a maximum and with still higher NaOH concentrations it decreases again. The composition of the solid phase separated from solutions of $\text{Hf}(\text{OH})_4$ in concentrated NaOH (15 N and more) approximately corresponded to the formula $\text{Na}_2\text{Hf}(\text{OH})_6$. In 1-10 N NaOH, the ions $\text{Zr}(\text{OH})_5^-$ and $\text{Hf}(\text{OH})_5^-$ were formed, whereas higher NaOH concentrations produced the ions $\text{Zr}(\text{OH})_6^{2-}$ and $\text{Hf}(\text{OH})_6^{2-}$. The complex hydroxo compounds of zirconium are less stable than those of hafnium. There are 2 figures, 1 table, and 5 references. 2 Soviet and 3 US

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